

REMARKS

Claims 1-116 were previously pending in the application. The Examiner is respectfully requested to reconsider and withdraw the rejection(s) in view of the amendments and remarks contained herein.

New Claims 117-140 are presented herein for consideration. Applicant would like to thank the Examiner for courtesy extended during the interview on November 3, 2004. During the interview, Applicant presented new Claims 117-140. The Examiner agreed that new Claims 117-140 were allowable over the prior art of record subject to further search.

Claims 1 and 47 were objected to by the Examiner. Applicant deleted "capable of" in Claim 1. Claim 47 now depends from Claim 46. Applicant believes that the objections are now moot.

Claim 53 stands rejected under 35 U.S.C. § 112. This rejection is respectfully traversed. Applicants amended Claims 52 and 53 to refer to first programmable control signals. Applicant believes that this rejection is now moot.

Claim 1 was amended to include subject matter from Claims 4 and 7 and is believed to be in allowable form since Claim 7 was indicated as allowable. Claims 2-3, 5-6 and 8 depend directly or indirectly from Claim 1 and are therefore also allowable.

With respect to new Claims 117-140, during the interview the Examiner and Applicant discussed new Claims 117-140 in relation to the prior art of record. The Examiner agreed that Claims 117-140 were allowable over the prior art currently of record. The Examiner, however, stated that he would like to update the search. Absent

finding closer prior art than the prior art of record, the Examiner agreed that new Claims 117-140 would be allowable.

ALLOWABLE SUBJECT MATTER

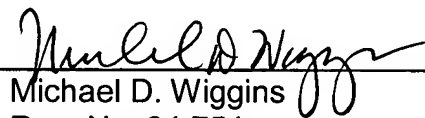
The Examiner states that Claims 7-8, 10, 16-20, 28-32, 34, 40-44, 46-47, 49-51, 54-56, 58-59, 61-63, 66-68, 70-75, 78-80, 82, 83, 89-90, 94, 95, 101-102, 106, 107, 110-112, and 113-114 would be allowable if rewritten in independent form. Accordingly, Applicant(s) have amended Claims 10, 18, 20, 22, 30, 32, 34, 42, 44, 46, 58, 70, 72, 82, 83, 94, 95, 106 and 107 to include the limitations of the base claim and any intervening claims. Therefore, these Claims and their dependent Claims 11-17, 19, 23-29, 31, 35-41, 43, 47-56, 59-68, 71, 73-80, 84-92, 96-104, and 108-116 should now also be in condition for allowance.

CONCLUSION

It is believed that all of the stated grounds of rejection have been properly traversed, accommodated, or rendered moot. Applicant therefore respectfully requests that the Examiner reconsider and withdraw all presently outstanding rejections. It is believed that a full and complete response has been made to the outstanding Office Action, and as such, the present application is in condition for allowance. Thus, prompt and favorable consideration of this amendment is respectfully requested. If the Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at (248) 641-1600.

Respectfully submitted,

Dated: 11/12/04

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